AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N. 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O. Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

CLIENT : INTERFACE AUSTRALIA PTY LTD
PO BOX 158
HORSLEY PARK NSW 2175

TEST NUMBER : 7-568344-AN
ISSUE DATE : 25/08/2009
PRINT DATE : 10/08/2012
ORDER NUMBER : 24822

SAMPLE DESCRIPTION Clients Ref: "Dot Com/WWW"
Tufted loop pile carpet tile
Nominal composition: 100% solution dyed Nylon on a Glasbac backing
Nominal mass: 746g/m2 Colour: Brown/Black

AS/NZS 3837:1998 Method of Test for Heat and Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter

Results:-

	Specimen 1	2	3	Mean	
Average Heat Release Rate	126.5	116.8	122.2	121.8	kW/m2
Average Specific extinction area	273.8	260.0	292.4	275.4	m2/kg

(according to Specification C1.10 of the Building Code of Australia)

BCA Classification:-

Group Classification	4	4	4

(according to Specification A2.4 of the Building Code of Australia)

This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
-Chemical Testing of Textiles & Related Products : Accreditation No. 983
-Mechanical Testing of Textiles & Related Products : Accreditation No. 985
-Heat & Temperature Measurement : Accreditation No. 1356

AWTA LIMITED

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

APPROVED SIGNATORY

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Test orientation: Horizontal

	Specimen 1	2	3	Mean	
Irradiance	50	50	50	50	kW/m2
Exhaust flow rate	24	24	24	24	l/s
Time to sustained flaming	28	33	33	31	s
Test duration	411	444	447	434	s

Heat release rate curve on attached sheets which form part of this report

Peak heat release after ignition	528.0	498.1	519.5	515.2	kW/m2
Average heat at 60s	373.8	363.9	369.6	369.1	kW/m2
Release rate at 180s	231.2	221.1	229.9	227.4	kW/m2
After ignition at 300s	156.8	152.5	159.5	156.3	kW/m2
Total heat released	48.2	48.0	50.7	49.0	MJ/m2
Average effective heat of combustion	17.5	16.4	17.5	17.1	MJ/kg

Initial thickness	17.0	17.0	17.0	17.0	mm
Initial mass	97.2	98.4	96.9	97.5	g
Mass remaining	72.8	72.4	71.1	72.1	g
Mass percentage pyrolysed	25.1	26.4	26.6	26.1	%
Mass loss	24.4	26.0	25.8	25.4	g
Average rate of mass loss	7.2	7.1	7.0	7.1	g/m2.s

Samples were loose laid onto a substrate of 10mm thick plasterboard prior to testing

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for the assessment of performance under real fire conditions

NATA

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